

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (currently amended) A cabin services system for use with mobile platforms, the cabin services system comprising:

a plurality of subsystems including configuration data used to provide ~~providing~~ one or more operations of each subsystem within a cabin of ~~[[a]]~~ the mobile platform;

a controller for outputting signals operative with the configuration data of each subsystem to control ~~controlling~~ the one or more operations of ~~the plurality of subsystems~~ each subsystem;

at least one switching module controlled by the controller for routing signals between the controller and each subsystem and between the subsystems; and

a plurality of data busses communicatively interconnecting the subsystems to the switching module and the switching module to the controller, wherein all the data busses are one or more busses connecting each of the plurality of subsystems to the controller, the one or more busses being of the same type of local area network cable.

2. (currently amended) The cabin services system according to claim 1, wherein all the busses comprise IEEE 10/100 Base T Ethernet cables ~~further comprising: a plurality of switches for controlling transmission of data between the plurality of subsystems and the controller via the one or more busses.~~

3. (currently amended) The cabin services system according to claim 2, ~~wherein~~ the further comprising a plurality of the switching modules ~~switches~~ are configured in one of a series and star configuration.

4. (currently amended) The cabin services system according to claim 1, further comprising: one or more programmable modules associated with one or more of the plurality of subsystems, with the controller configured to control the one or more operations ~~via the one or more busses~~ using the programmable modules.

5. (original) The cabin services system according to claim 4, wherein the one or more programmable modules comprise at least one of (i) light modules for controlling

lighting operations within the cabin, (ii) signs modules for controlling signs within the cabin, and (iii) audio modules for controlling audio operations within the cabin.

6. (currently amended) The cabin services system according to claim 1, further comprising:

one or more crew interfaces connected to one or more of the plurality of subsystems via the ~~one or more~~ busses.

7. (original) The cabin services system according to claim 1, wherein the plurality of subsystems comprise at least one of an audio subsystem, a lighting subsystem, and a crew interface subsystem.

8. (original) The cabin services system according to claim 1, wherein the controller comprises one or more lookup tables having control information therein for use in controlling the plurality of subsystems.

9. (original) The cabin services system according to claim 8, wherein the one or more lookup tables comprise control commands associated with one or more states of the plurality of subsystems.

10. (currently amended) A mobile platform having a cabin services system for controlling lighting and audio operations within a cabin of the mobile platform, the mobile platform comprising:

a plurality of passenger seats;

a plurality of lighting and audio components within the cabin, each of the plurality of lighting and audio components associated with one or more of the plurality of passenger seats;

a plurality of programmable modules associated with the plurality of lighting and audio components, each programmable module including configuration data used to control operations of a respective lighting and audio components; [[and]]

a controller for outputting signals operative with the configuration data of each programmable module to control the operations ~~controlling operation~~ of the plurality of respective lighting and audio components using the plurality of programmable modules; ~~the plurality of modules connected to the controller via busses having the same bus type;~~

at least one switching module controlled by the controller for routing signals between the controller and each programmable module and between the programmable modules; and

a plurality of data busses communicatively interconnecting the programmable modules to the switching module and the switching module to the controller, wherein all the data busses are the same type of local area network cable.

11. (original) The mobile platform according to claim 10, wherein the plurality of programmable modules comprise at least one of (i) light modules for controlling the lighting components and (ii) audio modules for controlling audio components.

12. (original) The mobile platform according to claim 10, further comprising: crew interfaces for operating the lighting and audio components.

13. (original) The mobile platform according to claim 12, wherein the crew interfaces comprise at least one of audio handsets and panel displays.

14. (original) The mobile platform according to claim 10, wherein the programmable modules comprise programmable switches.

15. (currently amended) The mobile platform according to claim 10, wherein the busses comprise LAN-busses IEEE 10/100 Base T Ethernet cables.

16. (original) The mobile platform according to claim 10, wherein the lighting components comprise at least one of passenger cabin lighting and emergency cabin lighting.

17. (original) The mobile platform according to claim 10, wherein the audio components comprise at least one of handsets and cabin speakers.

18. (currently amended) A method of controlling operations within a cabin of a mobile platform, the method comprising:

connecting one or more programmable modules to at least one switching module via one or more busses, the one or more busses being of the same type local area network cables, each programmable module including configuration data used provide an operation of a related one of a plurality of mobile platform subsystems;

connecting the switching module to a controller adapted to output control signals operative with the configuration data to provide the operations of the mobile platform subsystems;

receiving, at the controller, a command signal ~~information~~ from at least one of the mobile platform, the crew of the mobile platform, and the passengers on the mobile platform; and

selectively activating ~~one or more~~ the programmable modules, via the switching module, for controlling operations ~~within the cabin in response to the information of the~~ related subsystems in accordance with the command signal.

19. (currently amended) The method according to claim 18, further comprising:
determining control commands for controlling the programmable modules using a lookup table stored in the programmable modules.

20. (currently amended) The method according to claim 18, wherein the programmable modules are configured to control operation of at least one of cabin lighting subsystem and cabin audio ~~operations~~ subsystem.